

RD-200/300 SERVICE NOTES

ERRATA & SUPPLEMENT is attached at the end of the page. ♦ *First Edition*

SPECIFICATIONS

Keyboard	76 key, E to G	RD-200
	88 key, A to C	RD-300

Note

16 PIANO 1, PIANO 2, PIANO 3
VIBRAPHONE, E. PIANO 1
10 HARPSICORD, CLAVI, E. PIANO 2

Tunable Range \pm 15 cents

Output Level H: +10dB, M: 0dB, L: -10dB

Power Consumption 20W : 100V/117V

25W : 220V/240V

Dimensions 1142(W) x 422 (D) x 107(H) mm

44-15/16 x 16-5/8 x 4-3/16 in. RD-200

1405(W) x 461(D) x 133(H) mm

55-5/16 x 18-1/8 x 5-1/4 in. RD-300

Weight 16 kg/35 lb. 4 oz. RD-200

Weight 15 kg/33 lb. RD-200
27.2 kg/60 lb. RD-300

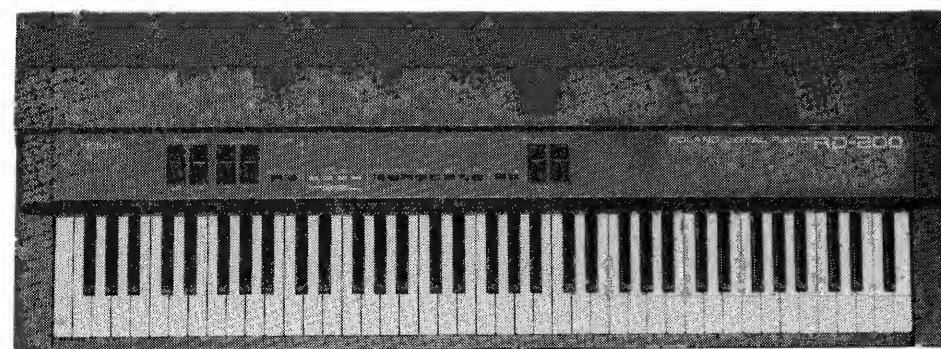
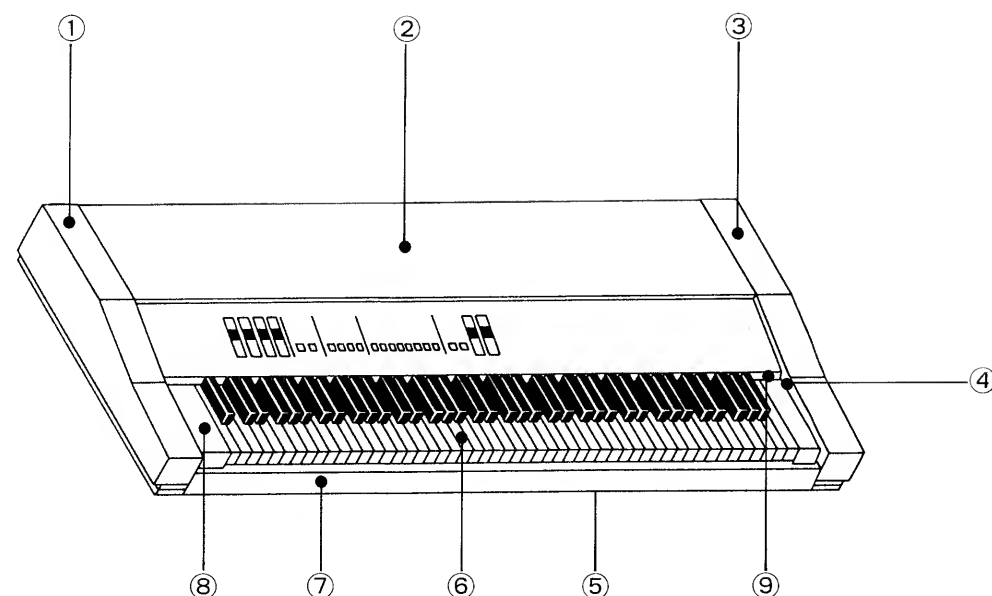
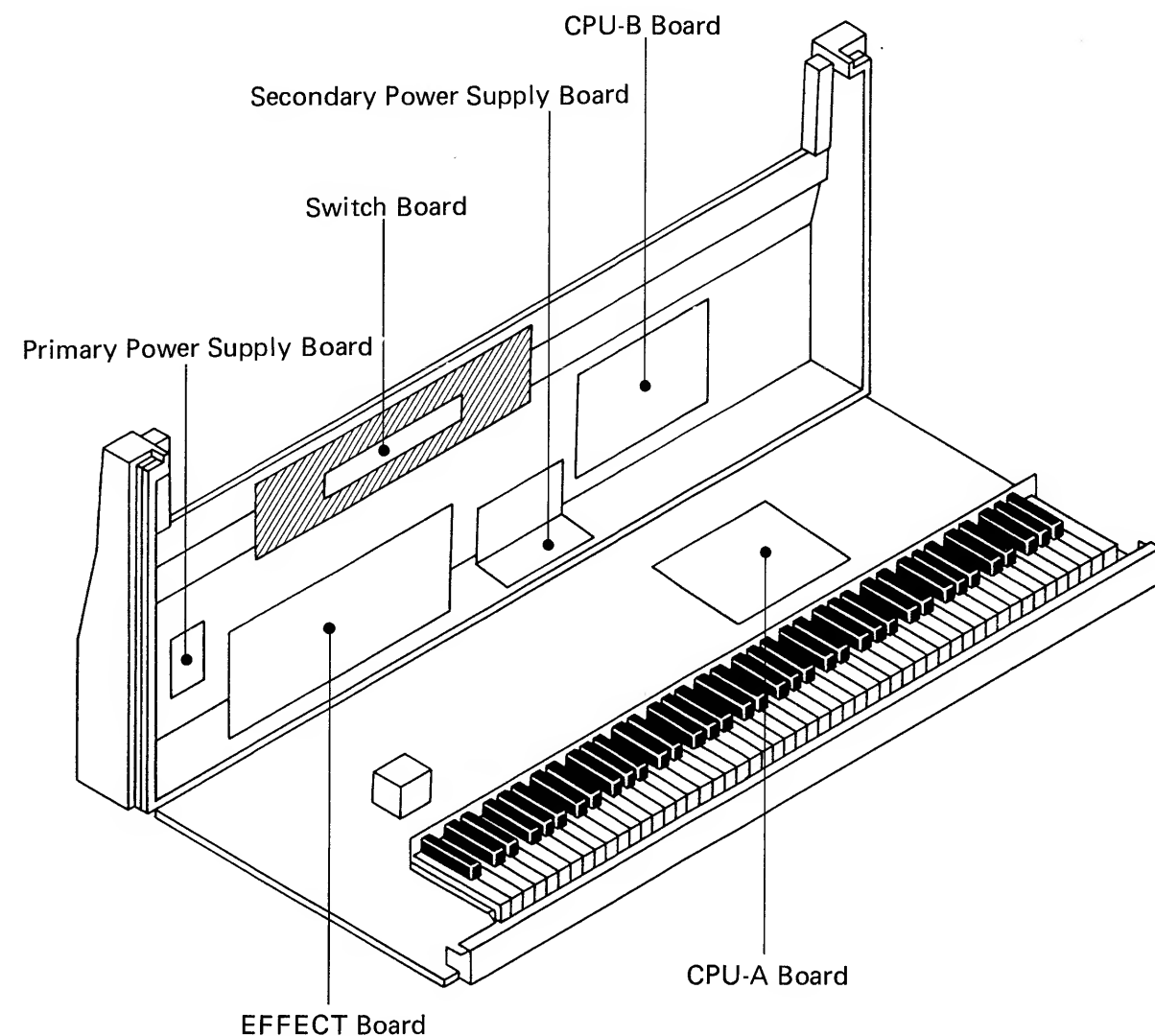
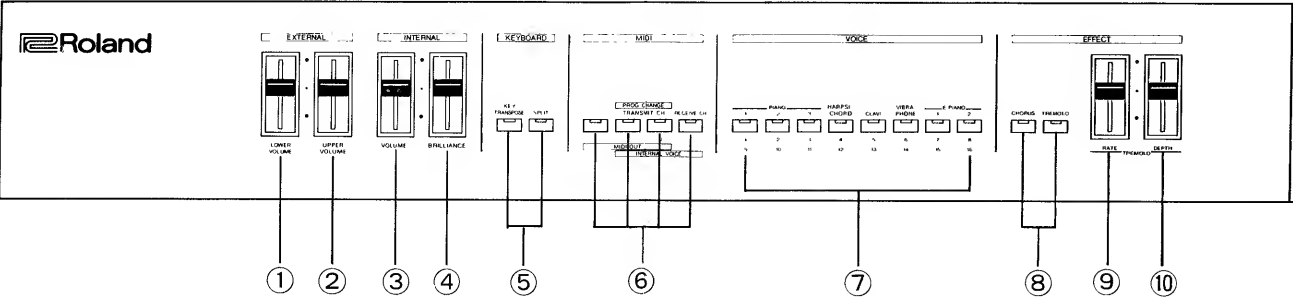


PHOTO RD-200

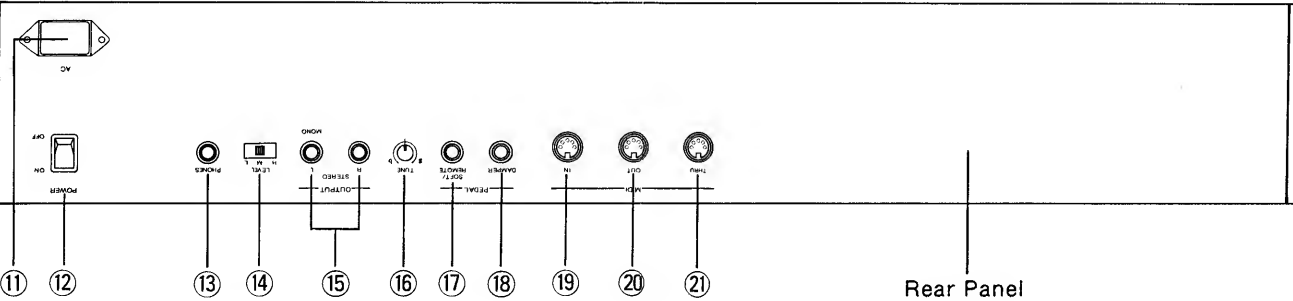
**Illustration RD-300**

No.	Parts Number	Parts Name Description	Model
①	21125283 21125277	Side Panel Left 側板 左	RD-200 RD-300
②	22215531 22215520	Top Panel トップパネル	RD-200 RD-300
③	21125284 21125278	Side Panel Right 側板 右	RD-200 RD-300
④	22125224 22125220 22125225 22125221	Plate Left プレート 左 Plate Right プレート 右	RD-200 RD-300 RD-200 RD-300
⑤	21135156 21135155	Base 底板	RD-200 RD-300
⑥	7617720000 7617520000	Keyboard Assy SK-476CW 鍵盤完 SK-588BW	RD-200 RD-300
⑦	21145227 21145224	Blind 口板	RD-200 RD-300
⑧	21165130	End Block Left/Right 拍子木 右/左	RD-300 only
⑨	22265121	Key Felt キーフェルト	RD-200/300

RD-200/300

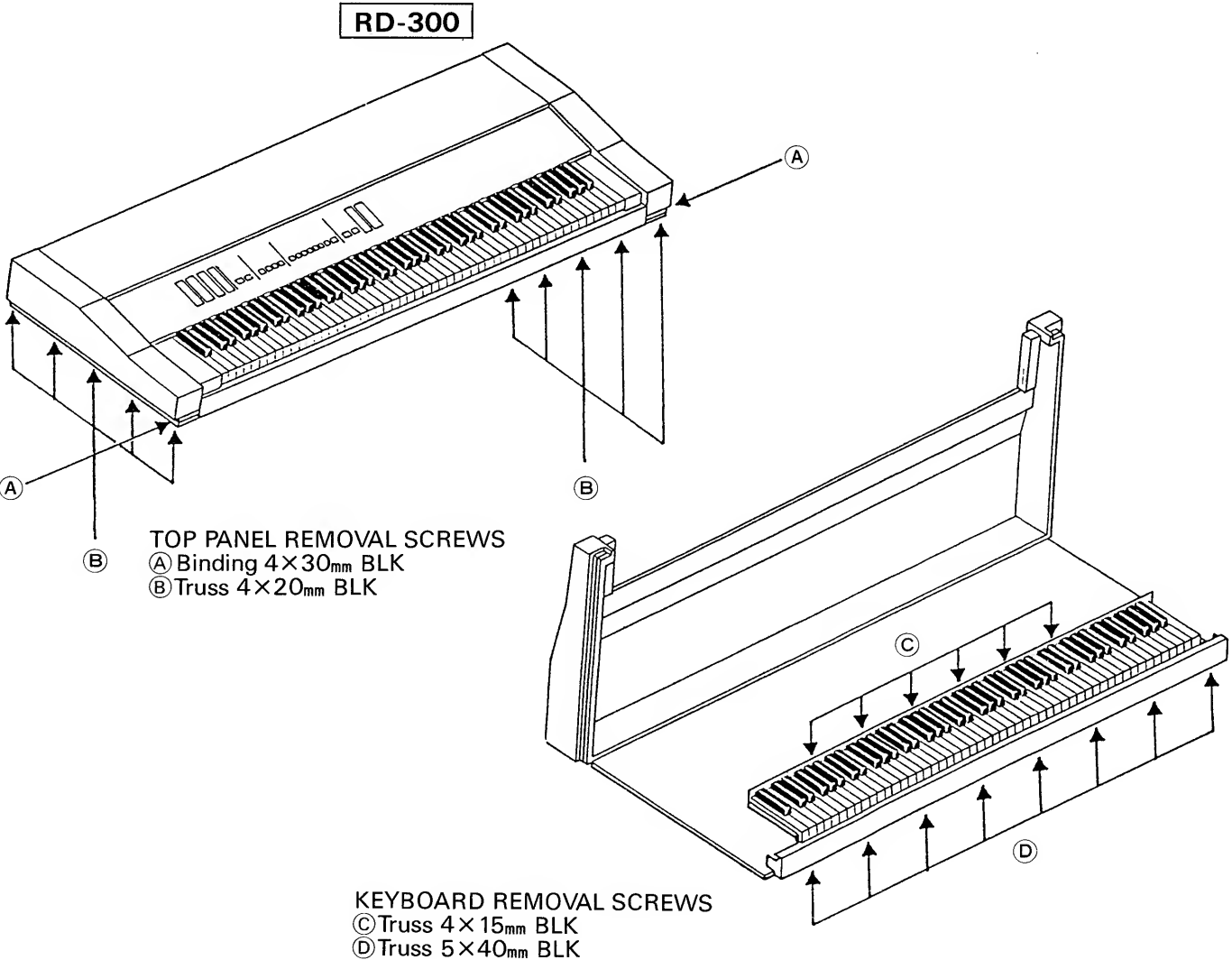
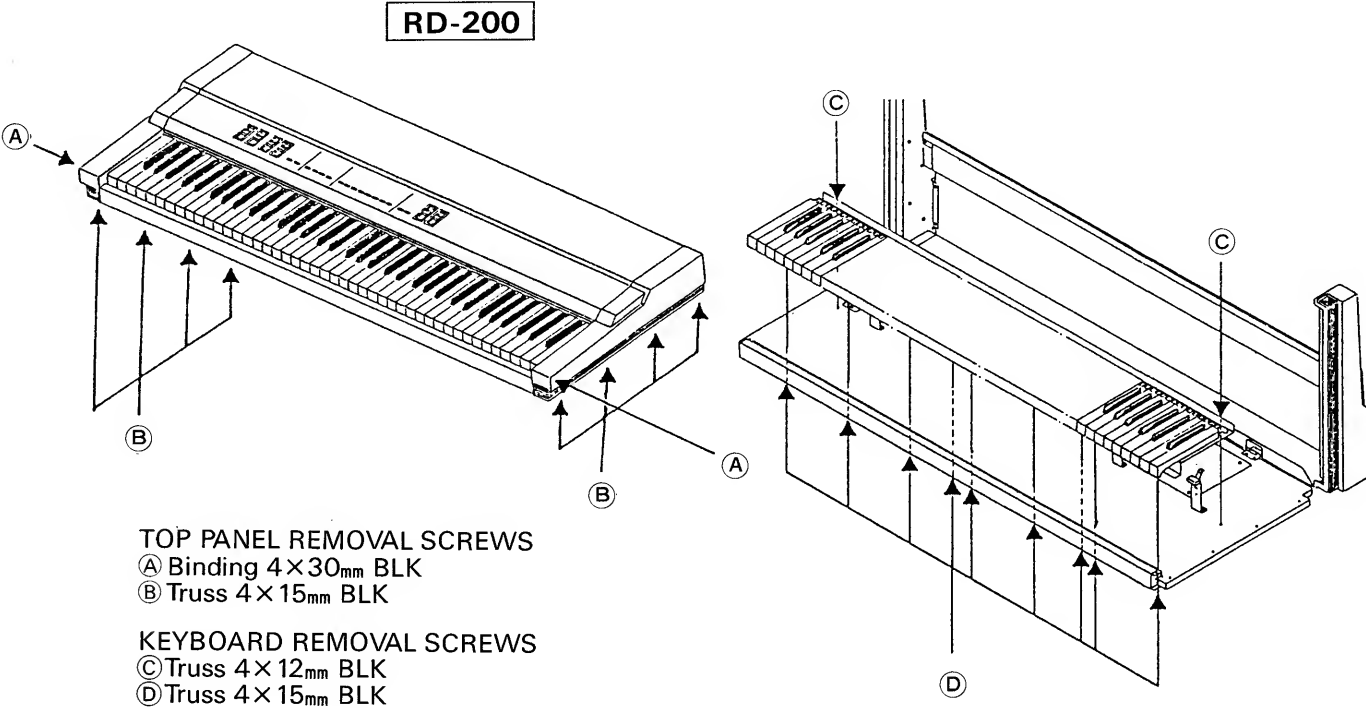


RD-200/300



① ②	Knob Escutcheon Pot.	EWA-NFE-x15B14	10KB	22485126 22225320 13339453
③	Knob Escutcheon Pot.	EWA-NA0-x15A14	10KAx2	22485126 22225320 13359356
④	Knob Escutcheon Pot.	EWA-NA0-x15B14	10KBx2	22485126 22225320 13359353
⑤ ⑥ ⑧	Button Switch	black SKHHPM001		22475651 13169668
⑦	Button Switch	gray SKHHPM001		22475652 13169668
⑨	Knob Escutcheon Pot.	EWA-NFE-x15A15	100KB	22485126 22225320 13339453
⑩	Knob Escutcheon Pot.	EWA-NFE-x15A14	10KA	22485126 22225320 13339454
⑪	AC Inlet	PA-126 2P 100/117/220V CM-3 3P 240V		13429710 13429708
⑫	Switch	WK2A443A		13149108
⑬	Jack	YKB-21-5010		13449145
⑭	Switch	HSW0372-01-520		13159322
⑮	Jack	YKB-21-5006		13449252
⑯	Knob Encoder	EVQ-VWKF1531G		22485109 13279291
⑰ ⑱	Jack	YKB21-5012		13449146
⑲ ⑳ ㉑	Socket	TCS5350-01-1111 DIN		13429615

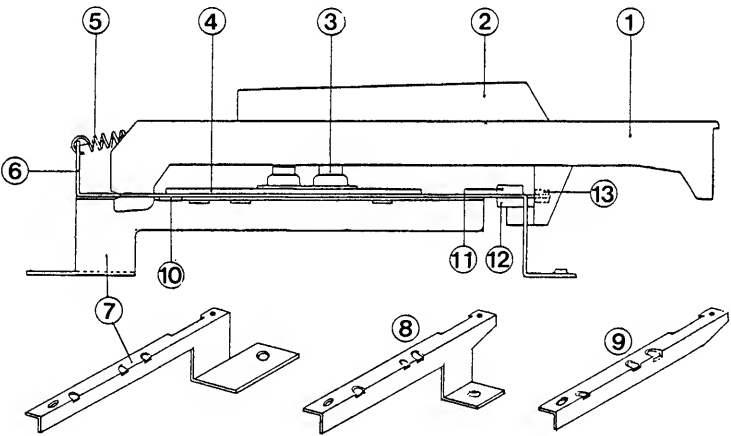
DISASSEMBLY



RD-200

KEYBOARD ASSY SK-476CW
7617720000

No.	PARTS No.	PARTS NAME
①	22575145-0A	NATURALKEY C 白鍵
	22575146-0A	NATURALKEY D 白鍵
	22575147-0A	NATURALKEY E 白鍵
	22575148-0A	NATURALKEY F 白鍵
	22575149-0A	NATURALKEY G 白鍵
	22575150-0A	NATURALKEY A 白鍵
	22575151-0A	NATURALKEY B 白鍵
	22575189-0A	NATURALKEY E' 白鍵
	22575154-0A	NATURALKEY G' 白鍵
②	22575155-0A	SHARP KEY 黒鍵
③	22185216	KEY CONTACT キー・コンタクト
④	7615222000	SWITCH PCB (LOW) スイッチ基板完成品
	7615223000	SWITCH PCB (MID) スイッチ基板完成品
	7615224000	SWITCH PCB (HI) スイッチ基板完成品
⑤	22175167	NATURALKEY SPRING 白鍵スプリング
	22175168	SHARP KEY SPRING 黒鍵スプリング
⑥	22815491	CHASSIS シャーシ
⑦	22035124	STAND スタンド
⑧	22035125	STAND スタンド
⑨	22125531	ANGLE アングル
⑩	22135413	KEY STOPPER キー・ストップバ
	22135414	KEY STOPPER キー・ストップバ
⑪	22265447	STOP FELT ストップ・フェルト
⑫	22265448	LEVEL FELT レベル・フェルト
⑬	22155716	GUIDE BUSHING ガイド・ブッシュ



SK-5 KEY REMOVAL
PROCEDURE

BLACK KEY

Black key is easily removed with the top panel raised.

1. Remove the key spring.
2. Pull the key away from the back rail to disengage the rear notch in the key from the bracket. Lift the key.

NATURAL KEY

In order to remove a natural key, the keyboard must be separated from the base.

1. Move the keyboard rearward to free the key front ends from the blind.
2. Remove a black key adjacent to the natural key to be removed.
3. Using a screw driver, apply downward force to the rear edge of the key stopper. This will permit the rear key leg to slide on the key stopper top surface.

SK-4 KEY REMOVAL
PROCEDURE

NATURAL KEY

NOTE: In contrast with SK-5, natural keys are easier to remove on SK-4. Reverse holds true of black keys.

1. Remove the keyboard removal screws and raise the top panel.
2. Move the keyboard rearward to free the key front ends from the blind.
3. Remove key spring in the key to be removed.
4. Using a screw driver, apply downward force to the rear edge of the key stopper. This will permit the rear key leg to slide on the key stopper top surface.

BLACK KEY

1. To remove a black key, it is necessary to remove two natural keys adjacent to the black key to be removed. Follow "NATURAL KEY" removal procedure to remove them.
2. Follow the steps 3 and 4 in "NATURAL KEY" removal procedure to remove the black key.

SK-5 キー交換法

黒鍵

トップパネルを開け、キースプリングを取りはずせば容易に抜き取れます。

白鍵

1. 鍵盤を止めているビスを取り除く。
2. 鍵盤を後ろへずらし、鍵盤の前端下部がブラインドに当たらないようにする。
3. 取り外そうとする白鍵の隣の黒鍵を外す。
4. 該当白鍵のキースプリングを取り外す。
5. ドライバーの先でキーストップを下へ押し付けながらキーを引き抜く。

SK-4 キー交換法

白鍵

注意 SK-4ではSK-5とは逆に白鍵より黒鍵交換に、より手間がかかります。

1. トップパネルを開け、鍵盤をとめているビスを取り除く。
2. 鍵盤を後ろへずらし、鍵盤の前端下部がブラインドに当たらない様にする。
3. 該当白鍵のキースプリングを取り外す。
4. ドライバーの先でキーストップを下へ押し付けながらキーを引き抜く。

黒鍵

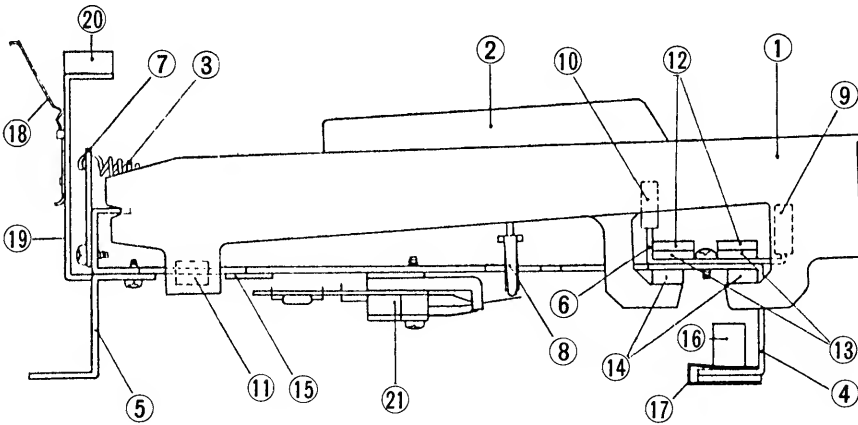
1. 黒鍵を取り外すには両側の白鍵を外す必要が有ります。
上記"白鍵"のキー交換手順参照。
2. 該当黒鍵を"白鍵"のキー交換手順3、4と同様手順で取り外す。

RD-300

KEYBOARD ASSY SK-588EW
7617520000

No.	PARTS No.	PARTS NAME
①	22575156	NATURAL KEY A 白鍵
	22575157	NATURAL KEY B
	22575158	NATURAL KEY C
	22575159	NATURAL KEY D
	22575160	NATURAL KEY E
	22575161	NATURAL KEY F
	22575162	NATURAL KEY G
	22575163	NATURAL KEY A'
	22575164	NATURAL KEY C'
	22575166	SHARP KEY 黒鍵
②	22175146	KEY SPRING キースプリング
③	22815539	CHASSIS 88P シャーシ 88P
④	22035119	CHASSIS STAND シャーシスタンド
⑤	22135522	KEY GUIDE 88P キーガイド 88P
⑥	22125168	SPRING RETAINER 88P スプリングプレート
⑦	22135202	ACTUATOR アクチュエータ
⑧	22155740	GUIDE BUSHING A ガイドブッシュ A
⑨	22155741	GUIDE BUSHING B ガイドブッシュ B
⑩	22155739	GUIDE BUSHING C ガイドブッシュ C
⑪	22265194	STOP FELT 88P ストップフェルト 88P
⑫	22265345	STOP CUSHION ストップクッション
⑬	22265416	LEVEL FELT 88P レベルフェルト 88P
⑭	22135409	KEY STOPPER キーストップバ
⑮	22155556	NUT ナット
⑯	22125204	GROUNDING LUG アースプレート
⑰	22175502	PANEL ANGLE SPRING
⑱	22125535	PANEL ANGLE
⑲	22265456	PANEL ANGLE CUSHION
⑳	23164655	SK-5 MATRIX BOARD マトリクス ボード 40P
	23165648	SK-5 MATRIX BOARD マトリクス ボード 48P

PANEL ANGLE ASSY
パネルアングル完
22125548



PARTS LIST

CABINET

21135155	Base	底板	RD-300
21135156	Base	底板	RD-200
21145224	Blind	□板	RD-300
21145227	Blind	□板	RD-200
22215520	Top Panel	トップ・パネル	RD-300
22215531	Top Panel	トップ・パネル	RD-200
22125220	Plate left 左	プレート	RD-300
22125224	Plate left 左	プレート	RD-200
22125221	Plate right 右	プレート	RD-300
22125225	Plate right 右	プレート	RD-200
21125277	Side Panel left 左	側板	RD-300
21125283	Side Panel left 左	側板	RD-200
21125278	Side Panel right 右	側板	RD-300
21125284	Side Panel right 右	側板	RD-200
21165130	End Block	拍子木	RD-300
22325130	Hinge	ヒンジ	
22265121	Key Felt	キー・フェルト	
22225320	Escutcheon	エスカッション	
12359105	Rubber Foot	ゴム足	
22245447	Slide Pot Cover	スライト・ポット・カバー	
2224010200	Switch Mask	スイッチマスク	
22465492	Heat Sink	ヒート・シンク	
22465497	Heat Sink	ヒート・シンク	
22195894	Jack Holder	ジャックホルダー	
22195921	Bord Holder	ボードホルダー	
22192837	DIN Holder	DINホルダー	
22125565	Panel Angle	パネルアングル	

PCB ASSY

7617506000	CPU-A Board	(pcb 22925394)	RD-300
7617506000	CPU-A Board	(pcb 22925394)	RD-200
7617512000	CPU-B Board	(pcb 22925348)	
7617517000	Switch Board	(pcb 22925393 1/2)	
7617514000	Effect Board	(pcb 22925392)	
7617504100	Primary Power Supply Board	(pcb 22925395)	
		100/117V	
7617504400	Primary Power Supply Board	(pcb 22925395)	
		220/240V	
7617533100	Secondary Power Supply Board	(pcb 22925353 1/2)	
		100/117V	RD-300
7617533400	Secondary Power Supply Board	(pcb 22925353 1/2)	
		220/240V	RD-300
7617709100	Secondary Power Supply Board	(pcb 22925353 1/2)	
		100/117V	RD-200
7617709400	Secondary Power Supply Board	(pcb 22925353 1/2)	
		220/240V	RD-200

KNOB, BUTTON

22485126	Knob	ツミ	VOLUME, BRILLIANCE, TRE RATE/DEPTH
22485109	Knob	ツミ	TUNE
22475651	Button blk	ボタン 黒	
22475652	Button gry	ボタン 灰	

JACK, SOCKET

13449146	YKB21-5012	jack mono	DAMPER, SOFTR/REMOTE
13449145	YKB21-5010	jack stereo	PHONES
13449252	YKB21-5006	jack stero/w switch	OUTPUT L/R
13429615	TCS5350-01-1111	DIN triplet socket	MIDI IN/OUT/THRU

AC INLET

13429710	PA-126	2P	100/117/220V
13429708	CM-3	3P	240V

SWITCH

13149108	WK 2A443A	POWER
13169668	SKHHPM001	Switch board
13159322	HSW0372-01-520	LEVEL
13159137	SSSS21067A	TEST/NORM (CPU A board)

POWER TRANSFORMER

22455460U0	245-460U0	100/117/220/240V
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AC CORD (DETACHABLE)

13439816F0	DC-320-J01	100V
13439812F0	UC-704-J01	117V
13439813F0	EC-210-J06	220V
23495110	5722-660-4606	240V-E
13439814F0	SC-415-J06	240V-A

FUSE, FUSE HOLDER

12559400	UL TSC 2A-N1	sec 100/117V	RD-300
12559397	UL TSC 800mA-N1	sec 100/117V	RD-200
12559514	CEE T2A	sec 220/240V	RD-300
12559509	CEE T315mA	sec 220/240V	RD-200
12559396	UL TSC 630mA-N1	pri 100/117V	RD-300
12559507	CEE T200mA	pri 220/240V	RD-200
12199550	H0446	Fuse Holder	

POTENTIOMETER

13359356	EWA-NA0-x15A14	10KA x 2	VOLUME
13359353	EWA-NA0-x15B14	10KB x 2	BRILLIANCE
13359455	EWA-NFE-x15B14	10KB	EXT, LOWER/UPPER, VOLUME
13359356	EWA-NA0-x15A15	100KB	TREMOLO RATE
13359356	EWA-NA0-x15A14	10KA	TREMOLO DEPTH
13299177	RHEDA140XA	10KB	trimmer

IC

15179203	HD63803PR	CPU	
15229830	MB63H149	gate array	CPU A BD IC10
15179343F0	MB8416A-12-SK-G	2Kx8 bit static RAM	CPU B BD IC13, 16
15179343	HM6116	2Kx8 bit static RAM	CPU B BD IC 12
15179734	MB7138H	bipolar plain output PROM	CPU B BD IC10
15179815	TM2764D-815 ROM A	2Kx8 bit EPROM	CPU A BD IC15
15179794	TM2764D-794 ROM B	2Kx8 bit EPROM	CPU B BD IC17
15179834	M5M2364-316P ROM C	2Kx8 bit mask ROM	CPU B BD IC11
or			
15179817	TMM2764D-817 ROM C	2Kx8 bit EPROM	CPU B BD IC11
15179810	TC531000P-7465	1Kx8 bit MASK ROM	CPU B BD IC7
15179811	TC531000P-7466	1Kx8 bit MASK ROM	CPU B BD IC6
15179812	TC531000P-7467	1Kx8 bit MASK ROM	CPU B BD IC5
15179813	TC531000P-7468	1Kx8 bit MASK ROM	CPU B BD IC18
15229837	MB60VH142PF-G-B	gate array	R06-001
15229838	MB60V141PF-G-B	gate array	R06-002
15229839	MB61V125PF-G	gate array	R06-003
15219162	PCM54HP	16-bit D/A converter	
15159503	TC40H000P	quad 2 input NAND gate	
15169301H0	HD74LS00P	quadruple 2-input positive NAND gate	
15159505	TC40H004P	hex inverter	
15159514	TC40H032P	quad 2 input OR gate	
15159506	TC40H038P	2 to 8 line decoder/demultiplexer	
15159511	TC40H174P	hex D-F/F	
15159530	TC40H367P	hex bus buffer	
15159508	TC40H373P	octal D-latch (3-state output)	
15159531	TC40H374P	ocatl D-F/F (3-state output)	
15159519	TC40H157P	quad 2 to 1 line selector/demultiplexer	
15169359X0	SN74LS541N	octal buffers and line drivers (3-sate output)	
15189158	μPC4082C	Op amp	
5189111J1	NJN-311D	Op amp	
15189189	μPC4570HA	Op amp	
15189148	NJM0072S	Op amp	
15189190	M5216L	Op amp	
15159115T0	TC4066BP	quadruple bilatch switch	
15219174	NJU201AD	quad spst analog switch	
15199106NH	μPC7805H	+5V regulator	
15199117	M5230L	regulator	
15169334H0	HD74LS05	hex inverter w/open collector output	
15159303T0	TC4584BP	hex shimitt trigger	
15219163	NE572	programmable analog compander	
15219179	M5206P	dual voltage controlled amp	
15219205	MN3007	1024-stage BBD	
15169504	MN3101	BBD driver	
15229706S0	PC-910	optoisolator	

TRANSISTOR

15119134	2SA933S	
15119184	2SB1015-0	
15129153	2SC1740S	
15129152	2SC2878A	
15129834	2SD1408-0	
15119139	DTA144E	w/built-in bias resistors
15129168	DTC124E	w/built-in bias resistors
15139123	2SK184	
15139121	2SK117-GR	FET
15139124	2SK363	FET

DIODE

15019152T0	1SS176	
15019103T0	1S2473	
15029152	GL-9HD12	LED red
15019273	4B4841-LC1	
15019272	4B4841-LC2	
15019208	1SR35-200	
15019412	MTZ4.7B	zener

RESISTOR ARRAY

13919153	RMLS5-103J	10K x 5
13919310	RMLS8-103J	10K x 8
13919311	RMLS8-223J	22K x 8
13919305	RMLS4-472J	4.7K X 4
13919147	RMLS4-103J	10K x 4
13919308	RMLS6-103J	10K x 6
13919334	RMLS10-153J	15K x 10
13919333	RMLS12-153J	15K x 12
13919313	RMLS8-104J	100K x 8
13919118	RGSD16L104G	ladder resistor

CAPACITOR

13659201	ECET16R682SW	6800 μF/16V	electro
13659222M0	ECET354222SW	2200 μF/35V	electro
13529104	DE7150F472MVA1	0.0047 μF	line bypass

CAPACITOR ARRAY

13529118	B5400139-32N	22PF x 4
13529113	B7ZC0724-32N	22PF x 6
13529115	EXFP8101MN	100PF x 8

CRYSTAL

12389747	HC-49/U	16MHz
12389751	HC-49/U	12.8MHz

COLLAR/BUSHING

12159715	TB-300	male	×/×
12159713	TA-305P	female	×/×
12159733	TA-310	female	×/×

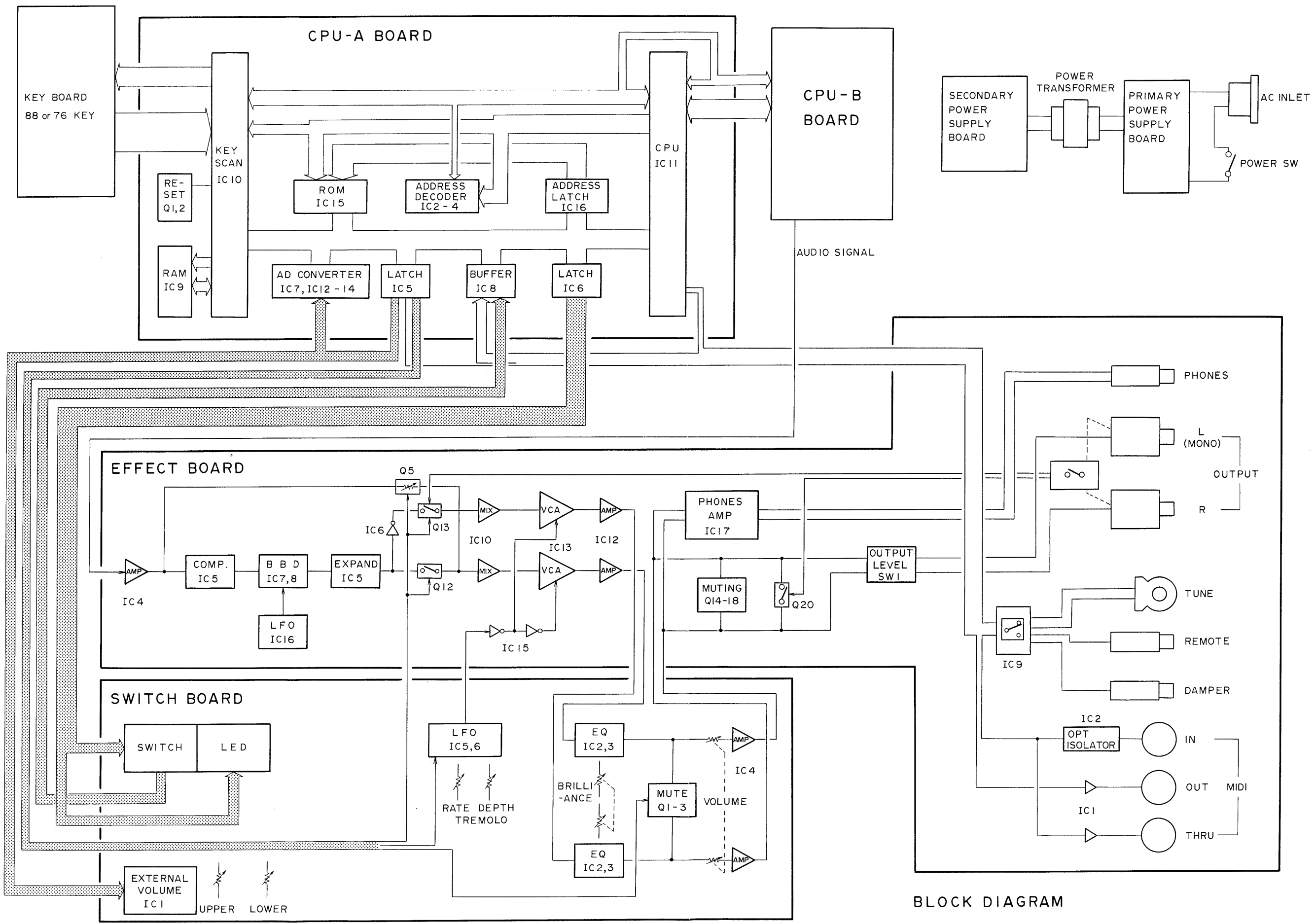
ROTARY ENCODER

13279291	EVQ-WWKF1531G	TUNE
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OTHERS

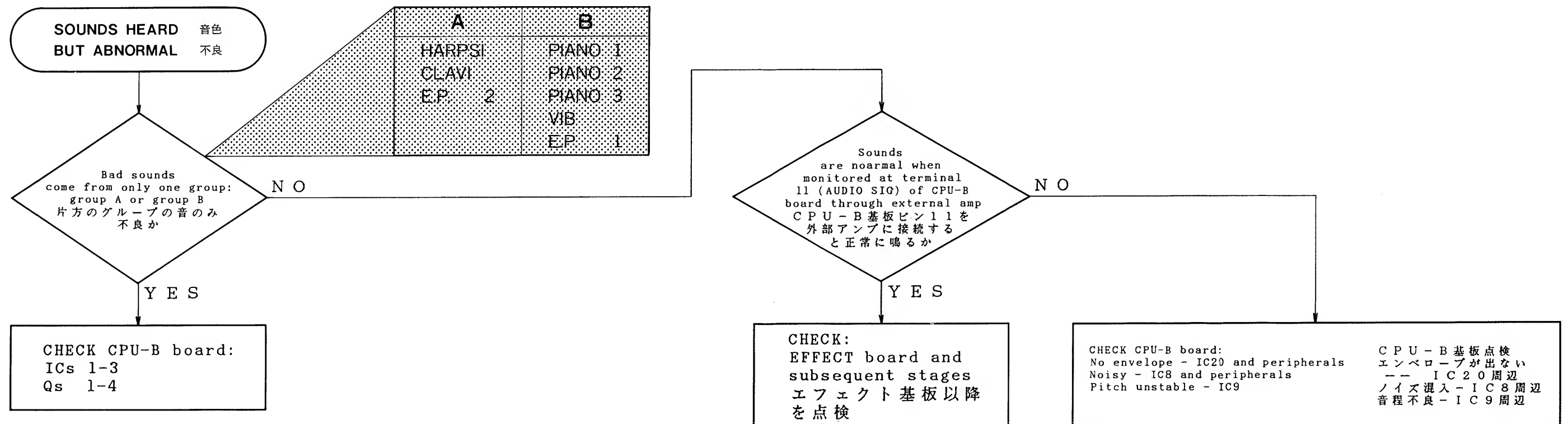
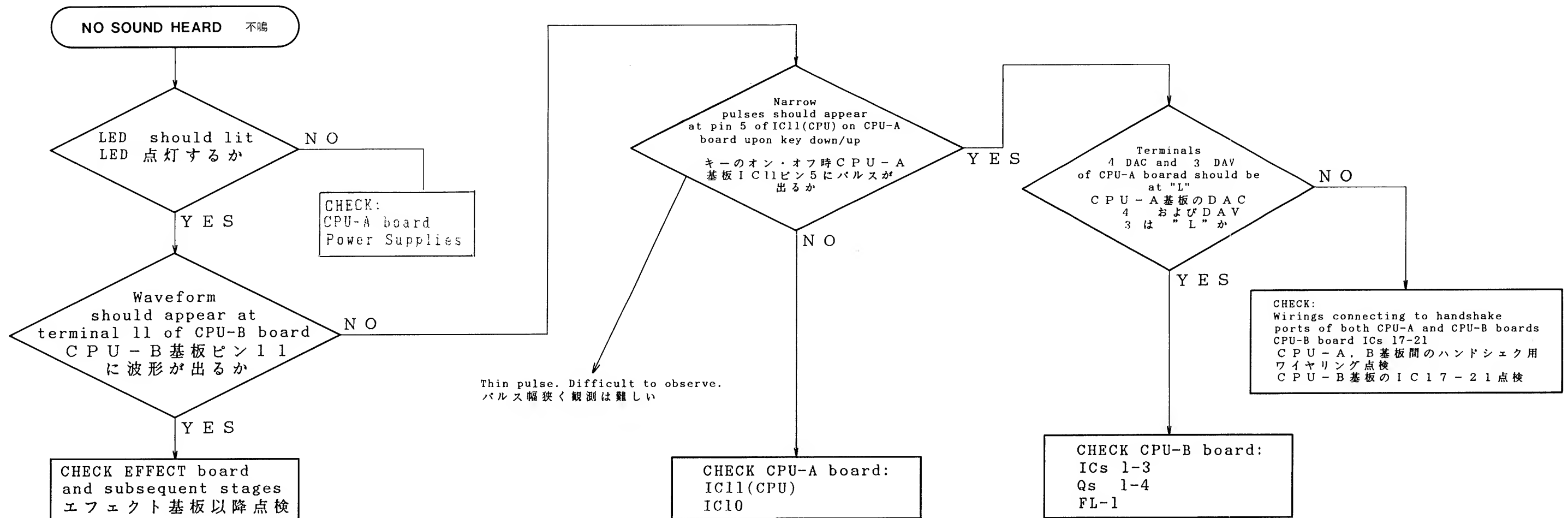
22445240	BL02RN2-R62	ferrite bead
12449269	0538-014	low pass filter

BLOCK DIAGRAM



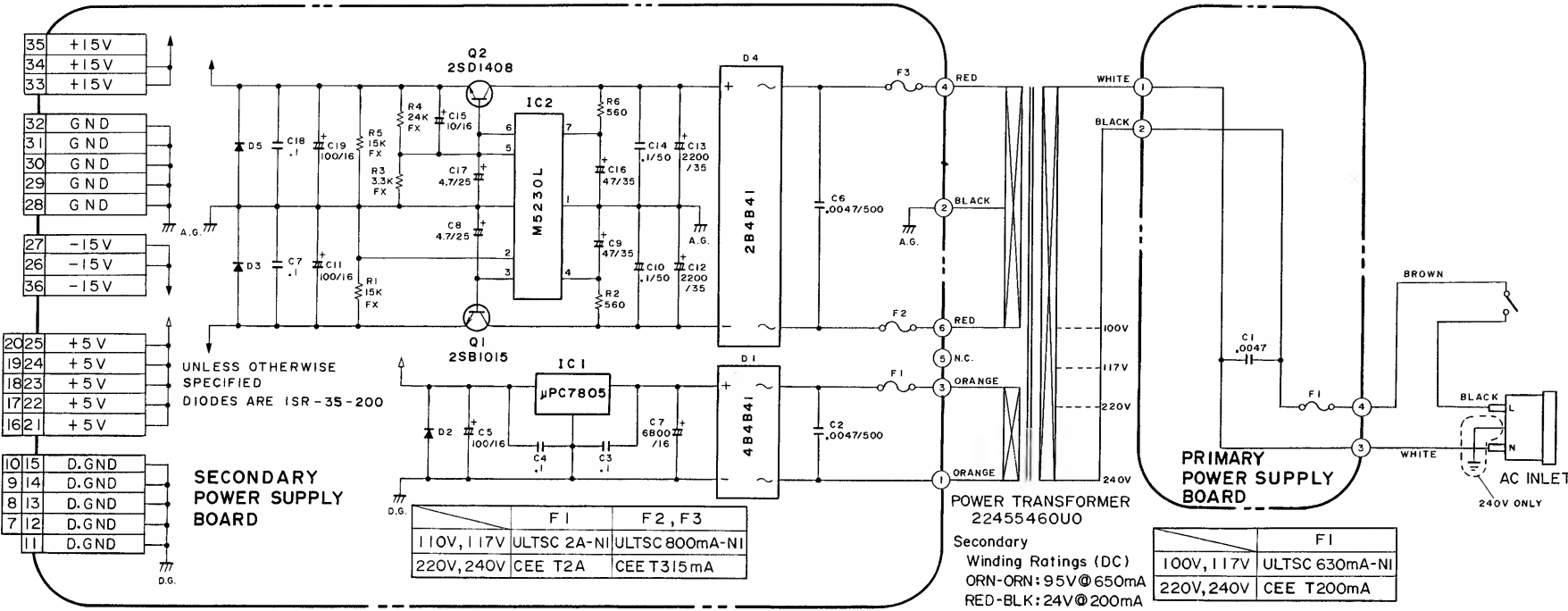
BLOCK DIAGRAM

TROUBLESHOOTING Logic Tree トラブルシューティング・ガイド



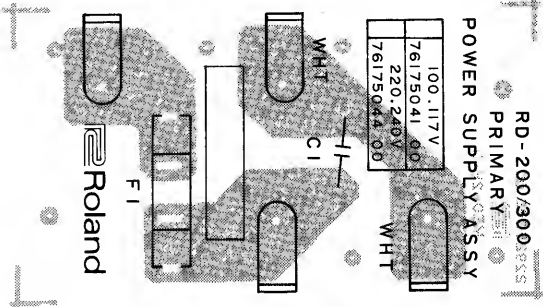
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40

CIRCUIT DIAGRAM



PRIMARY POWER SUPPLY BOARD

7617504100 100/117V
7617504400 220/240V



Secondary Power Supply board of one model (RD-200 or RD-300) can be a replacement for the other by reusing the existing heat sink on the PCB to be replaced.

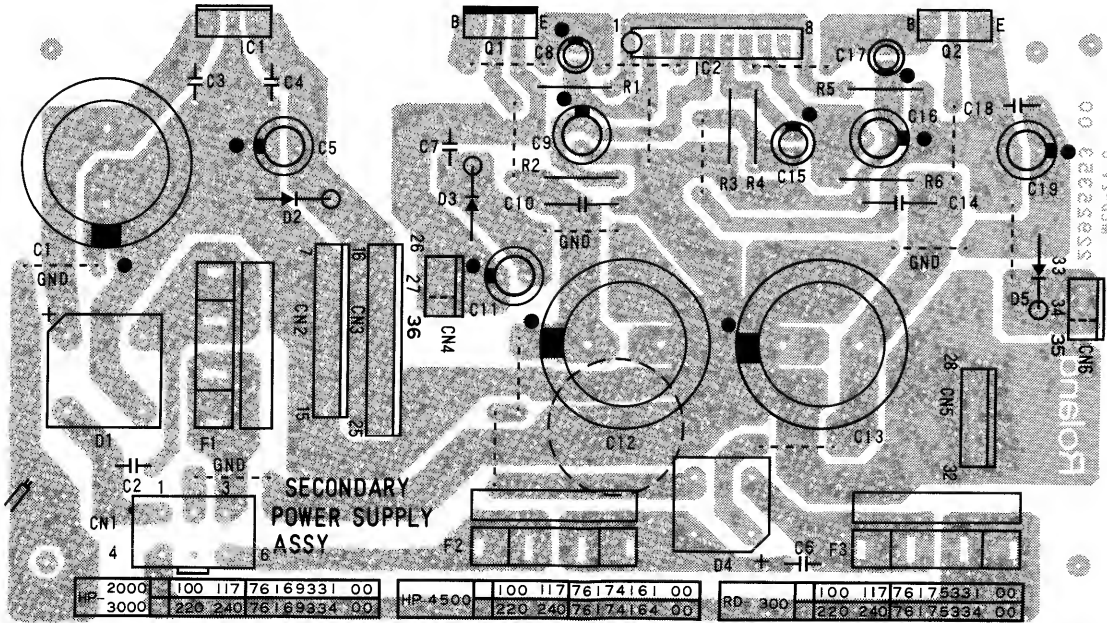
CAUTION

Do not attempt to remove the heat sink installed on RD-300 difficult to reinstall by one person.

SECONDARY POWER SUPPLY BOARD

7617533100 100/117V RD-300
7617533400 220/240V RD-300
(pcb 22925353)

7617709100 100/117V RD-200
7617709400 220/240V RD-200
(pcb 22925353)



IC DATA

TC40H174P Hex D Flip-Flops with Clear

Pin Configuration

Truth Table

TC40H157P Quad 2-Input Multiplexer

Pin Configuration

Truth Table

SN74LS541N Octal 3-State Buffer

Pin Configuration

Truth Table

TC40H367P Hex 3 STATE Buffer

Pin Configuration

Truth Table

HI-201

Pin Configuration

TOP VIEW

TC40H273P OCTAL D-TYPE FLIP-FLOP

Pin Configuration

Truth Table

TC40H373P OCTAL D-TYPE LATCH (3-STATE OUTPUT)

Pin Configuration

Truth Table

TC40H138P 3-TO-8-LINE DECODER/DEMULTIPLEXER

Pin Configuration

Truth Table

MB63H149 Pin Assignment

(TOP VIEW)

INDEX

Pin no. I/O Pin name Pin no. I/O Pin name Pin no. I/O Pin name Pin no. I/O Pin name

HD63B03RP

Pin Configuration (Top View)

Block Diagram

PCM-54

Top View

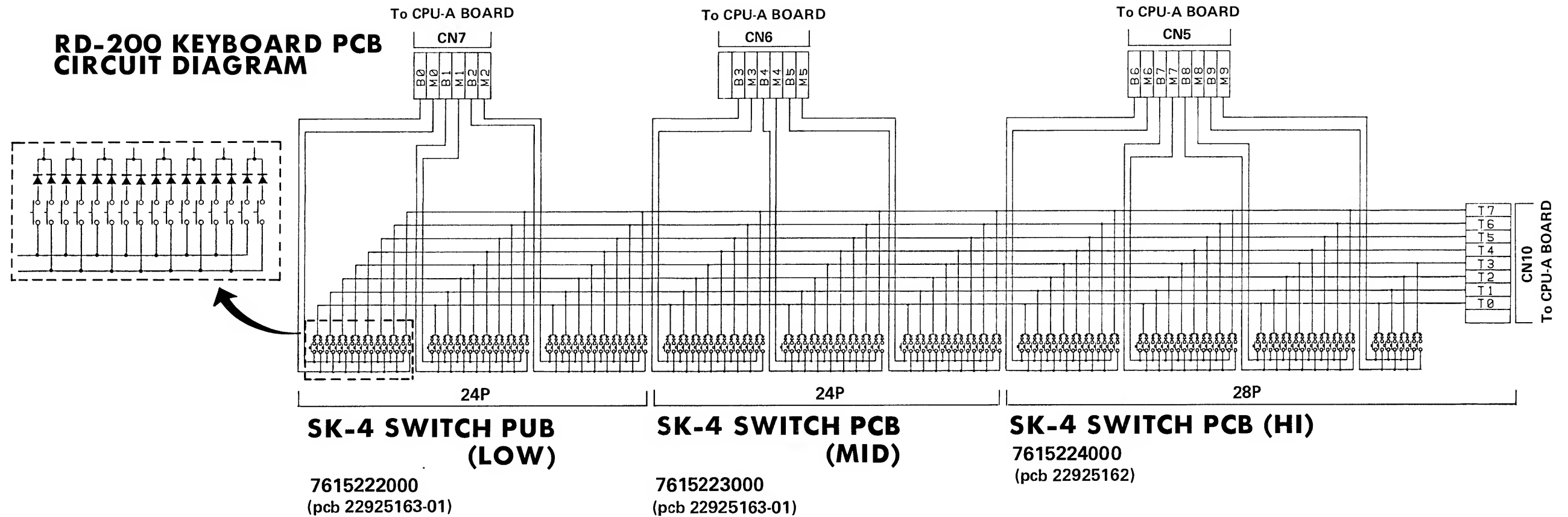
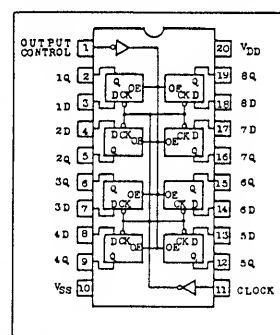
NE572

Pin Configuration

Block Diagram

Ladder Network RGS16L104G

Diagram

RD-200 KEYBOARD PCB
CIRCUIT DIAGRAMRD-300 KEYBOARD PCB
CIRCUIT DIAGRAMTC40H374P
OCTAL D-TYPE FLIP-FLOP(3-STATE OUTPUT)

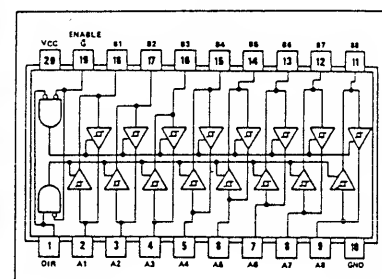
Truth Table

INPUTS		OUTPUT	
OUTPUT CONTROL	CLOCK	DATA	Q
L	↑	~ H	H
L	↑	L	L
L	↓	X	Q ₀
H	X	X	High Impedance

X = Don't care

SN74LS245
OCTAL BUS TRANSCEIVERS WITH
3-STATE OUTPUTS

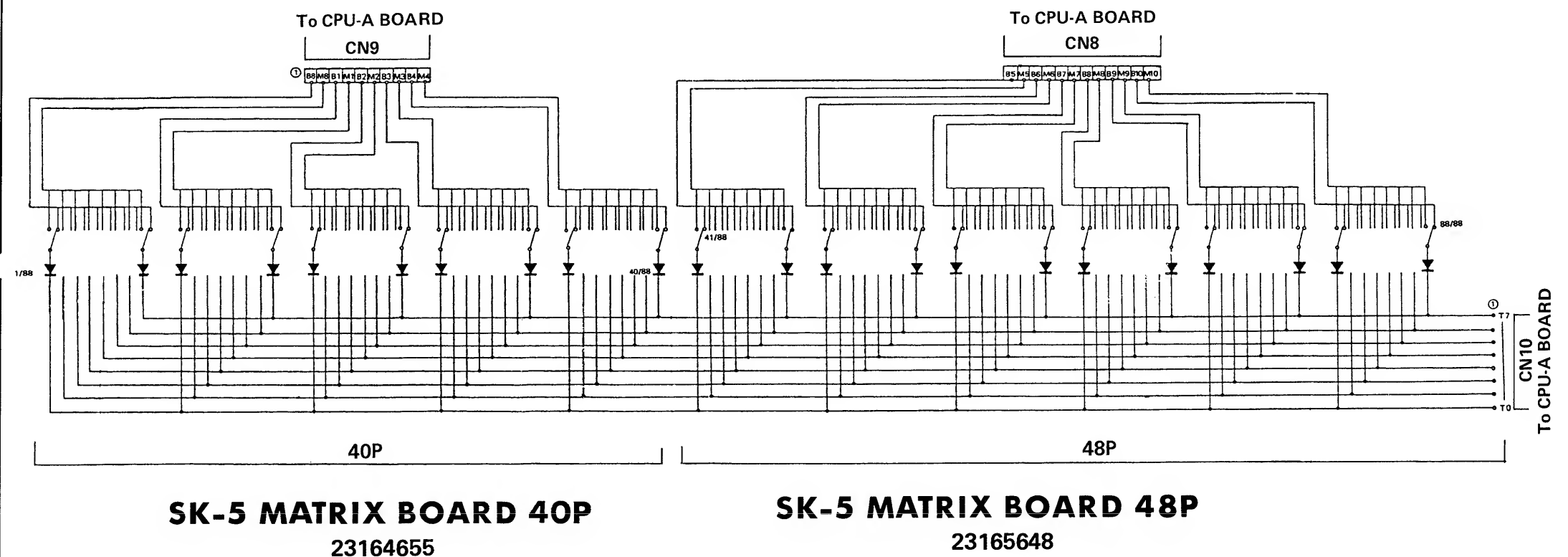
(TOP VIEW)



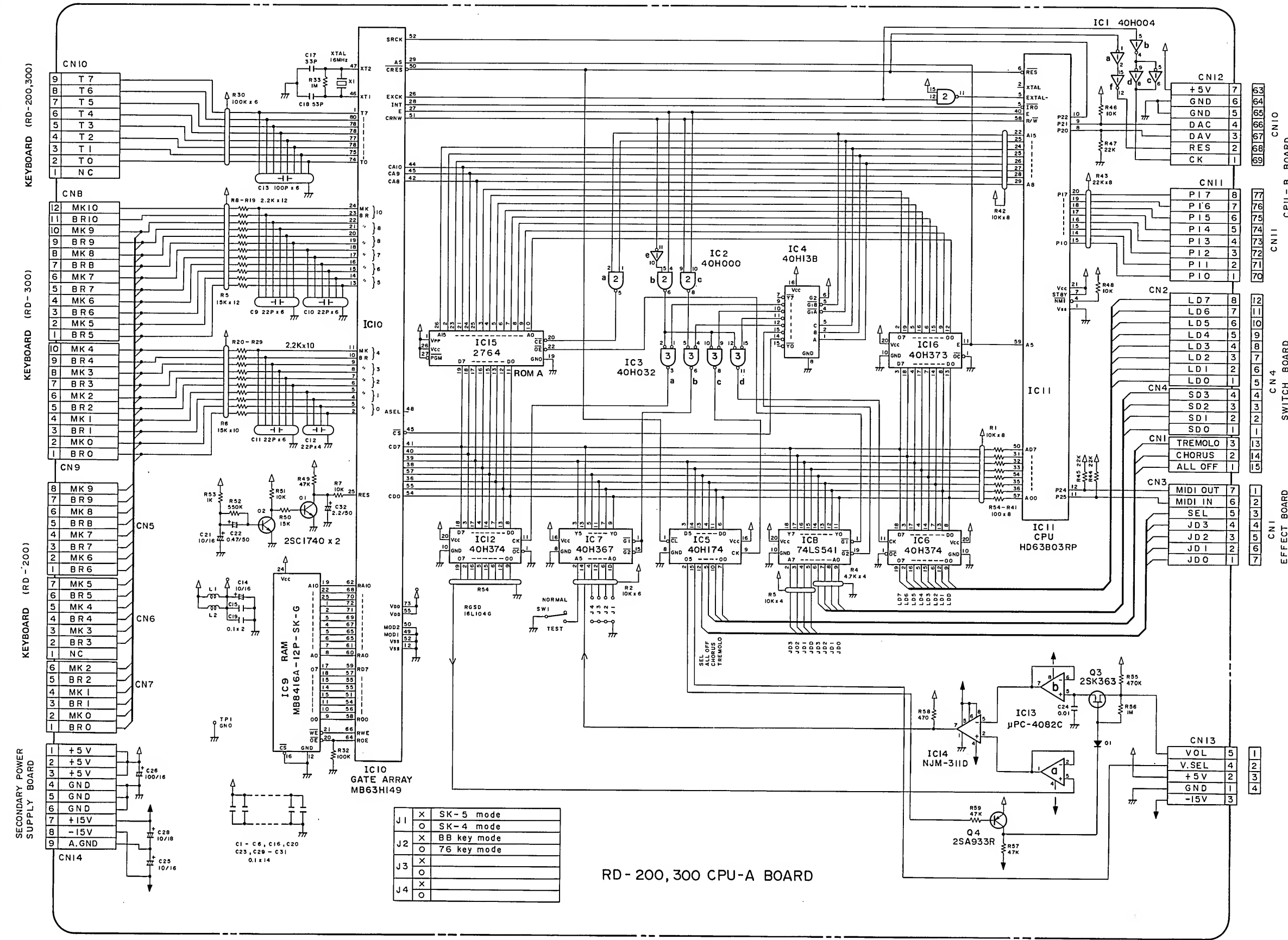
FUNCTION TABLE

ENABLE \bar{G}	DIRECTION CONTROL DIR	OPERATION
L	L	B data to A bus
L	H	A data to B bus
H	X	Isolation

H = high level, L = low level, X = irrelevant



CIRCUIT DIAGRAM



CPU-A BOARD

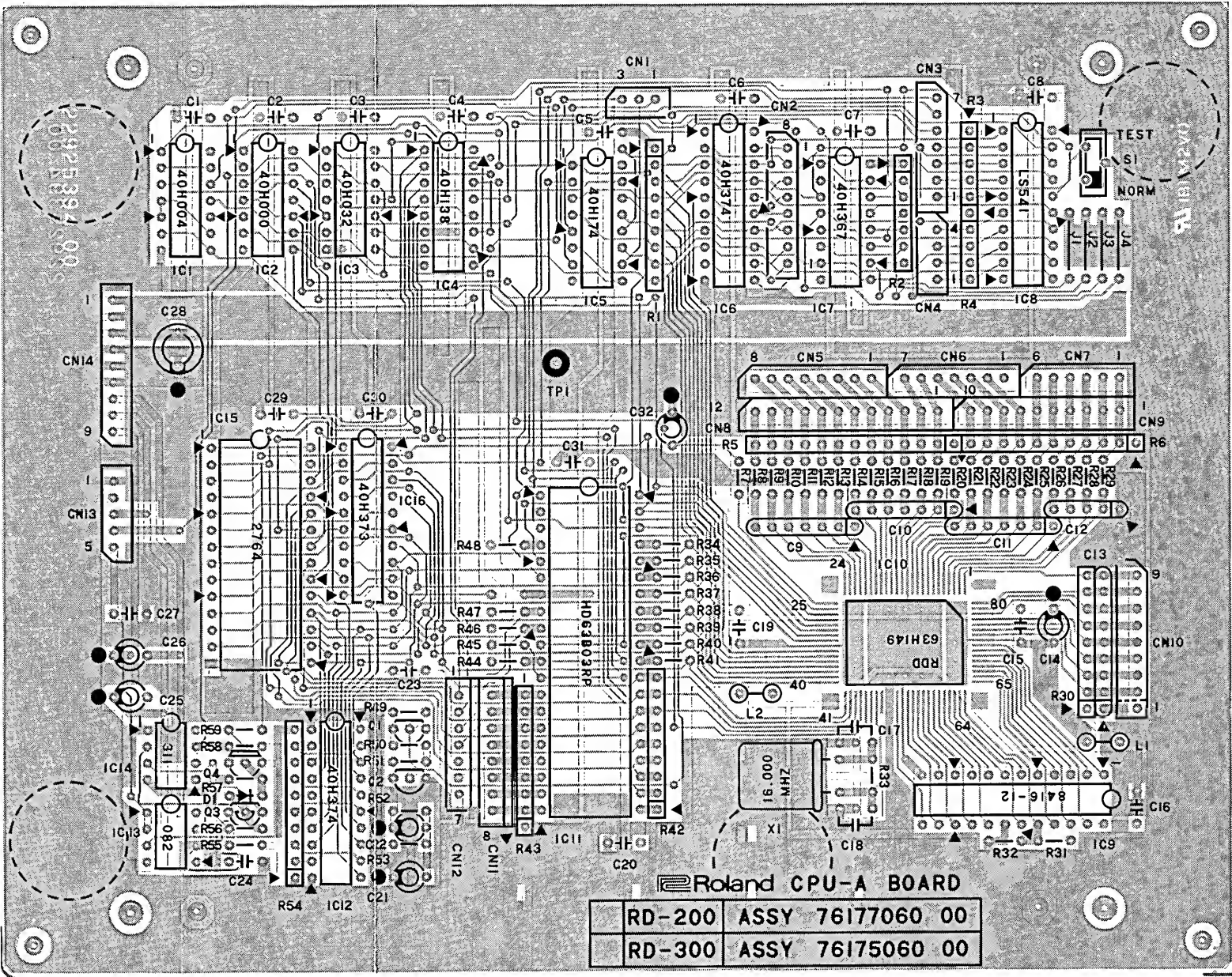
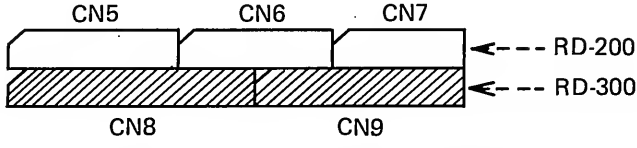
7617506000 RD-300

7617706000 RD-200

(pcb 22925394)

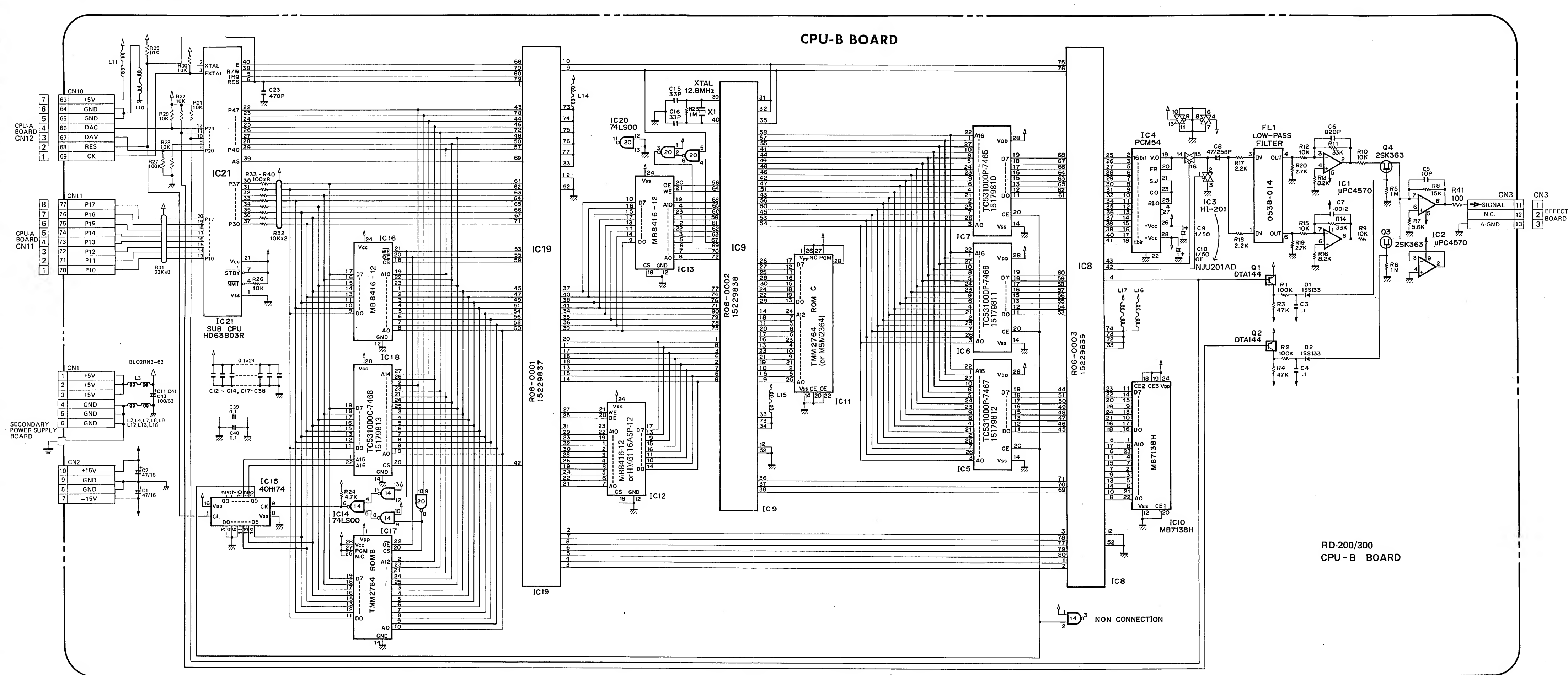
Two versions are the same except for connector arrangement for different keyboards as shown below.
By adding connectors as necessary, either version can be used as a replacement for the other.

機種間の基板の違いは下記の通りコネクタの位置、数だけです。この点に留意すれば両基板間には互換性が有ります。



CIRCUIT DIAGRAM

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38

A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
P
Q
R
S
T
U
V

CPU-B BOARD

7617512000
(pcb 22925348)

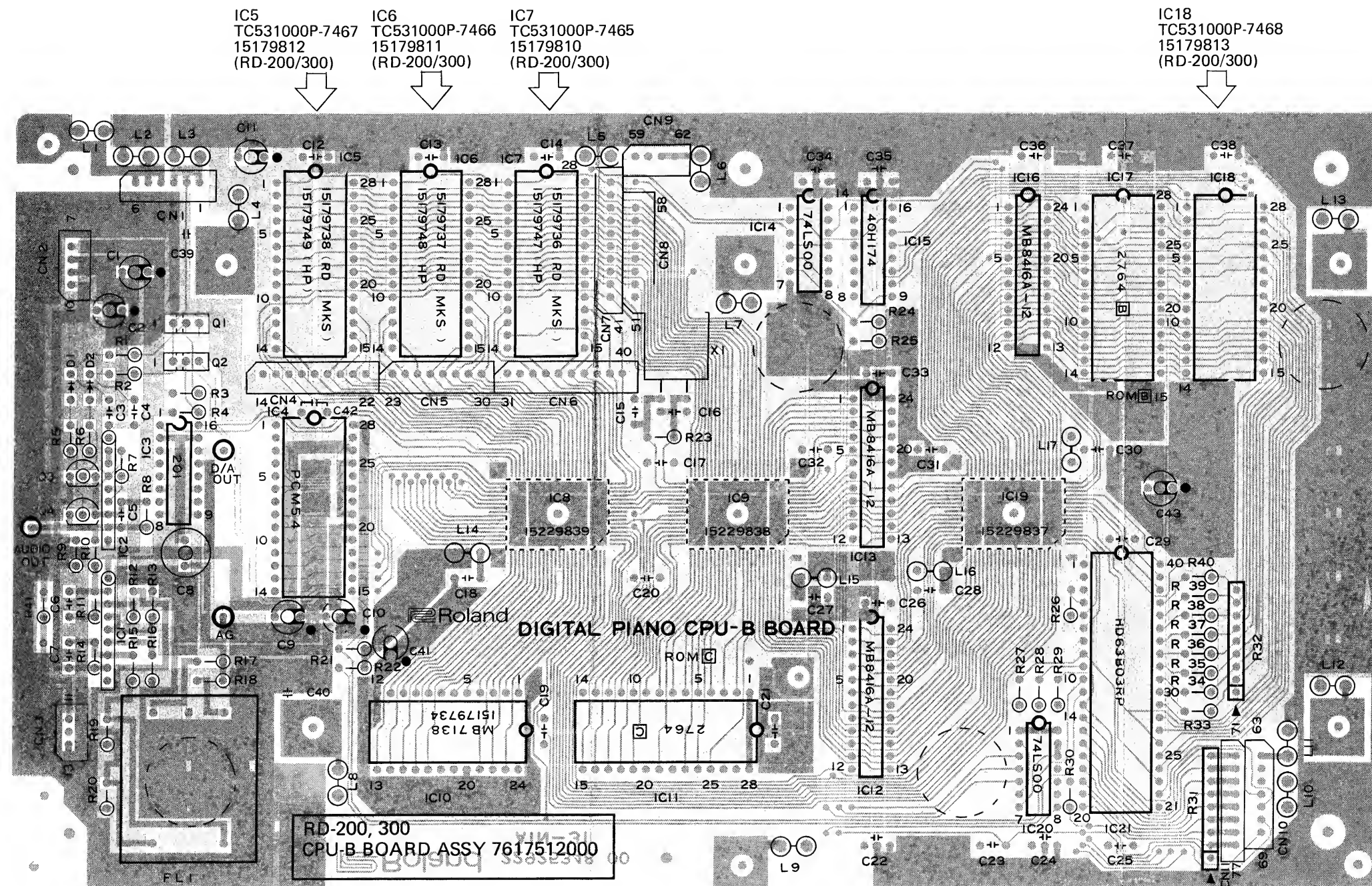


Table 1

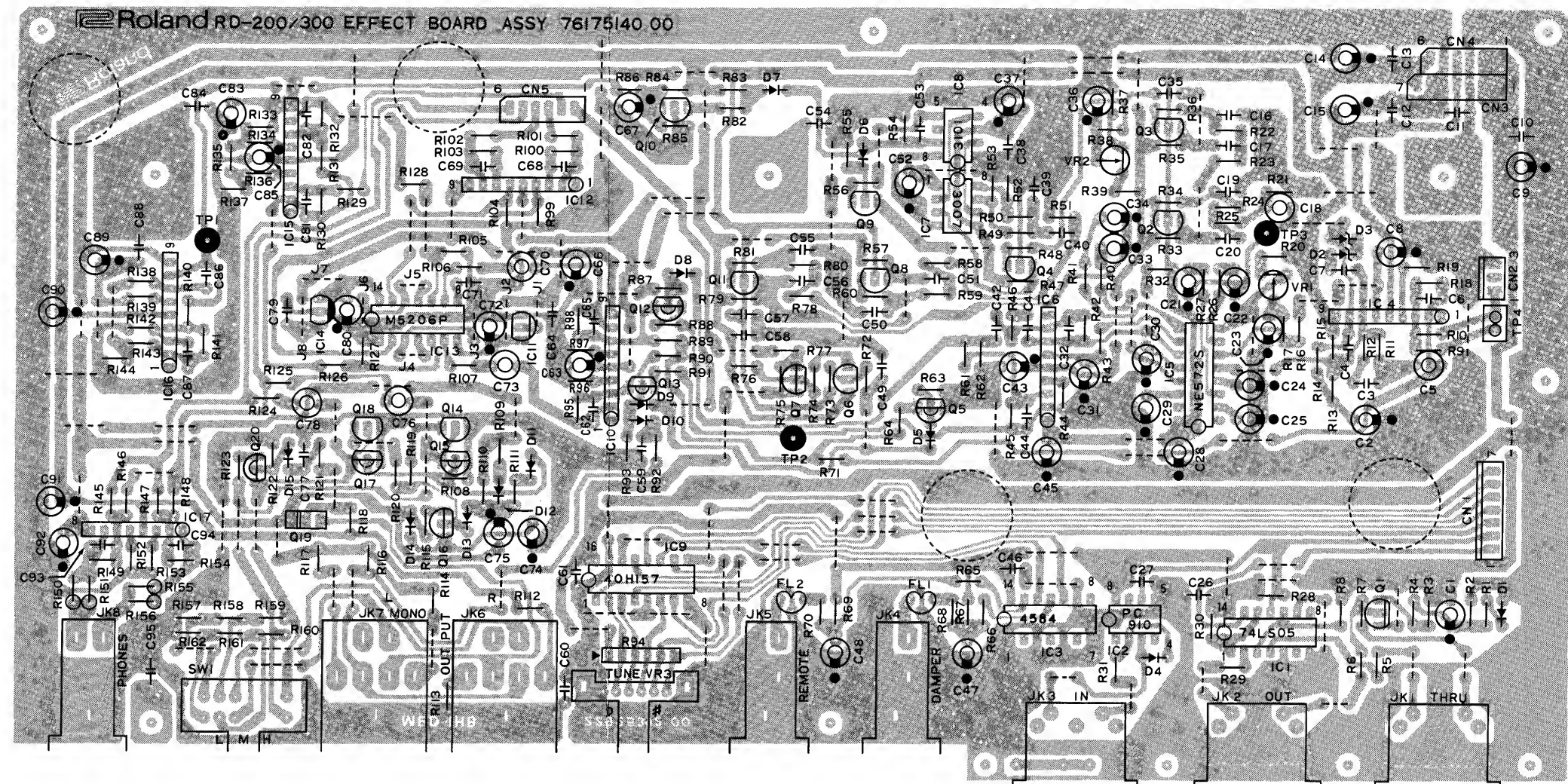
<p>ROM-B (CPU-B board IC17)</p>	<ul style="list-style-type: none"> ●HP-2000/3000/4500/5500/5600 Ver 3.0 (15179794) ●HP-2000/3000/4500 Ver 1.0 (15179794) ●HP-5500/5600 Ver 3.0 (15179771-02) 	<p>Compatible ↔ 互換性有</p>	<ul style="list-style-type: none"> ●RD-200/3000 Ver 3.00 (15179794)
<p>ROM-C (CPU-B board IC11)</p>	<ul style="list-style-type: none"> ●RD-1000, MKS-20 HP-5500/5600 Ver 1.0 (15179744) ●HP-2000/3000/4500/5500/5600 Ver 1.0 (15179817) 	<p>Compatible ↔ 互換性有</p>	<ul style="list-style-type: none"> ●RD-200/3000 Ver 1.00 (15179817) EP ROM or (15179834) Mask ROM

* ROM-B or ROM-C on the CPU-B board is compatible with those of some other models shown in the table 1.

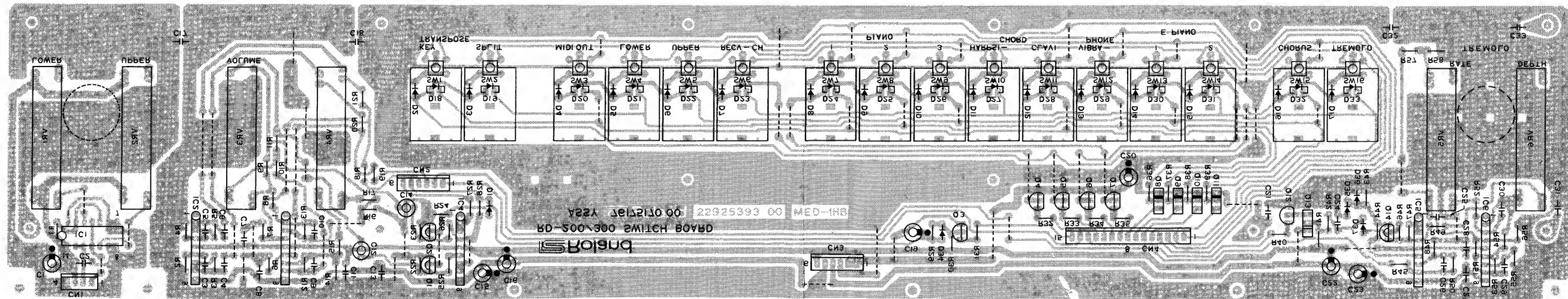
*CPU-B基板上のROM-B、ROM-Cについては表1の様に他機種のあるバージョンとだけ互換性が有ります。

A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
P
Q
R
S
T
U

(pcb 22925392)



(pcb 22925393)

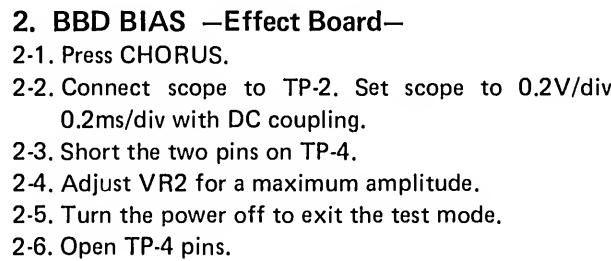




TEST MODE

1. COMPRESSOR —Effect Board—

- 1-1. Connect an oscilloscope (scope) to TP-3. Set scope to 0.2V/div, 50ms/div with AC coupling input mode.
- 1-2. Press TREMOLO.
- 1-3. Adjust VR1 for drift-free waveform as shown in the figure below.



テストモード

1. コンプレッサ ―エフェクト基板

1-1. TP-3にシンクロスコープを接続する。
(0.2V/div, 50mS/div, AC)

1-2. TREMOLOを押す。

1-3. 波形が下図のようになるようにVR-1を調整する。

2-1. CHORUSを押す。
TP-2にシンクロスコープを接続する。
2-2. (0.2V/div, 0.2mS/div, DC)
2-3. TP-4のピンをショートする。
2-4. 波形の振幅が最大になるようにVR-2
を調整する。



Mode 1 : OMNI ON, POLY Mode 2 : OMNI ON, MONO ○ : Yes
Mode 3 : OMNI OFF, POLY Mode 4 : OMNI OFF, MONO × : No

Mode 1 : OMNI ON, POLY Mode 2 : OMNI ON, MONO ○ : Yes
Mode 3 : OMNI OFF, POLY Mode 4 : OMNI OFF, MONO × : No

MODEL RD-200/300 MIDI Implementation

*1 Note numbers outside of the range 15 - 113 are transposed to the nearest octave inside this range.
The Key Transpose operation from the panel does not affect the user.

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The Key Transpose operation from the panel does not affect the user.

Page	WRONG 誤 →	CORRECT 正															
2	<p>(PART CODE ERROR/誤記訂正)</p> <p>①② POT. EWA-NFE-X15B14 10KB 13339455 →</p>	13339455															
RD-200/300																	
<div>RD-200/300</div> <div></div>																	
<div>RD-200/300</div> <div></div> <div>Rear Panel 13339455</div> <table><tr><td>① ②</td><td>Knob Escutcheon Pot.</td><td>EWA-NFE-x15B14</td><td>10KB</td><td>22485126 22225320 13339455</td></tr><tr><td>③</td><td>Knob Escutcheon Pot.</td><td>EWA-NAO-x15A14</td><td>10KAx2</td><td>22485126 22225320 13359356</td></tr><tr><td>④</td><td>Knob Escutcheon</td><td>EWA-NAO-x15B14</td><td>10KBx2</td><td>22485126 22225320 13359356</td></tr></table>			① ②	Knob Escutcheon Pot.	EWA-NFE-x15B14	10KB	22485126 22225320 13339455	③	Knob Escutcheon Pot.	EWA-NAO-x15A14	10KAx2	22485126 22225320 13359356	④	Knob Escutcheon	EWA-NAO-x15B14	10KBx2	22485126 22225320 13359356
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<p>* Please amend all existing service notes as above.</p> <p>* 該当サービスノートを上記のように修正して下さい。</p>																	